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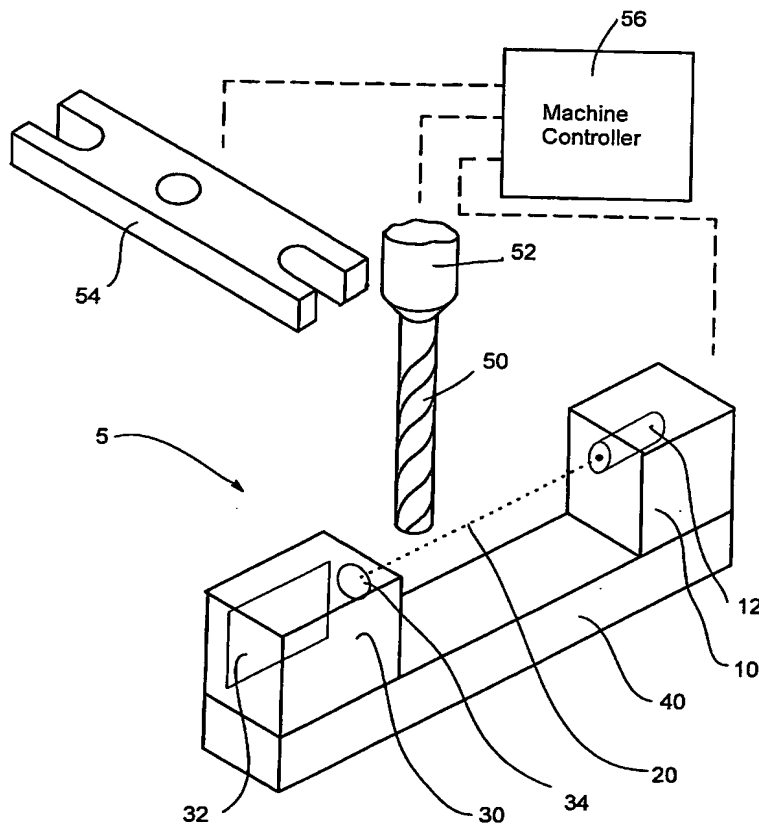
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(54) Title: TOOL ANALYSIS DEVICE AND METHOD

(57) Abstract: The invention relates to a de-
vice and method for analysis of a tool (50)
e.g. used on a machine tool. A tool detec-
tor (5) includes a light emitter (12) and a light
receiver (34). Tool (50) when progressed into
a beam (20) of light emitted from the emitter
(12) will cause a signal from the receiver to
change. Circuitry (32) includes a digital sig-
nal processor which processes the signal from
the receiver and produces an output only if
the signal conforms to a predetermined con-
dition. Preferably this predetermined condi-
tion could be *e.g.* a characteristic shape of the
signal from the receiver, a change in a value
derived from a succession of such signals or
a change in the minimum or maximum values
of a succession of signals from the receiver.

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Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

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C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	US 5 004 930 A (GREMAUD HENRI ET AL) 2 April 1991 (1991-04-02) column 5, line 22 - line 54; figures 1-4	1-12
Y	US 5 164 995 A (BROOKS LORAN D ET AL) 17 November 1992 (1992-11-17) column 2, line 64 - column 3, line 13; figures 1-3	1-12
A	US 4 966 460 A (KAHLEY THEODORE E) 30 October 1990 (1990-10-30) column 8, line 5 - line 23	1-12
A	EP 1 050 368 A (RENISHAW PLC) 8 November 2000 (2000-11-08) the whole document	1-12

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☒ Patent family members are listed in annex.

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INTERNATIONAL SEARCH REPORT

Information on patent family members

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